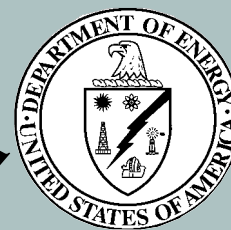


Standards Actions – February 2003

Visit the Technical Standards
Program Web Site at

<http://tis.eh.doe.gov/techstds/>

STANDARDS ACTIONS



DOE Technical Standards Program Document Status

01-31-2003

Activity Summary

In Conversion – 4

In Preparation – 50

Out for Comment – 25

Published this Month – 3



5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 8

Cancellation Pending – 19

Cancellation in Progress – 4

No Current Action – 0

DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of this standard, please contact the representative listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on “DOE Technical Standards,” then click on “Projects” in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards project was recently initiated:

- *Criticality Safety Functional Area Qualification Standard*; Project Number TRNG-0035; Project Contact: Jerry McKamy, EH-21; phone 301-903-8031; fax 301-903-4121; email Jerry.Mckamy@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web site. If you wish to comment on any of these documents, please notify your TSM.

The following draft DOE Technical Standards were recently distributed for coordination:

- *Aviation Safety Officer Functional Area Qualification Standard*; Project Number TRNG-0032; Project Contact: M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; email Norm.Schwartz@eh.doe.gov. Comments are due March 12, 2003.
- *Aviation Manager Functional Area Qualification Standard*; Project Number TRNG-0033; Project Contact: M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; email Norm.Schwartz@eh.doe.gov. Comments are due March 12, 2003.
- *Senior Technical Safety Manager Qualification Standard*; Project Number TRNG-0034; Project Contact: Larry C. Kelly, AU-63; phone 865-576-1829; fax 865-576-2891; email Kellylc@oro.doe.gov. Comments are due March 27, 2003.

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web site:

- DOE-STD-1158-2002, *Self-Assessment Standard for DOE Contractor Criticality Safety Programs*, November 2002.
- DOE-STD-3011-2002, *Guidance for Preparation of Basis for Interim Operation (BIO) Documents*, December 2002.
- DOE-TSL-1-2002, *Department of Energy Standards Index*, December 2002.

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DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy, phone 800-473-4375, fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, VA 22161, phone 703-605-6000, fax 703-605-6900.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy, phone 800-473-4375, fax 301-903-9823.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) weekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112, phone 800-854-7179, fax 303-397-2740, email global@iht.com, Web site <http://global.iht.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASME HPS-Part II-200x, *High Pressure Systems (Part II)* (revision of ANSI/ASME HPS-1994) – February 10, 2003.
- ASTM E262-200x, *Test Method for Determining Thermal Neutron Reaction and Fluence Rates by Radioactivation Techniques* (revision of ANSI/ASTM E262-1997) – February 10, 2003.
- ASTM E509-200x, *Guide for In-service Annealing of Light-water Cooled Nuclear Reactor Vessels* (revision of ANSI/ASTM E509-1997) – February 10, 2003.
- ASTM E844-200x, *Guide for Sensor Set Design and Irradiation for Reactor Surveillance*, E706 IIC (revision of ANSI/ASTM E844-1997) – February 10, 2003.
- ASTM E854-200x, *Test Method for Application and Analysis of Solid State Track Recorder (SSTR) Monitors for Reactor Surveillance*, E706 IIIB (revision of ANSI/ASTM E854-1998) – February 10, 2003.
- ASTM E1005-200x, *Test Method for Application and Analysis of Radiometric Monitors for Reactor Vessel Surveillance*, E706 IIIA (revision of ANSI/ASTM E1005-1997) – February 10, 2003.
- ASTM E1400-200x, *Practice for Characterization and Performance of a High-dose Radiation Dosimetry Calibration Laboratory* (revision of ANSI/ASTM E1400-1995A) – February 10, 2003.
- IEEE 637-1985 (R200x), *Guide for the Reclamation of Insulating Oil and Criteria for Its Use* (reaffirmation of ANSI/IEEE 637-1985 (R1992)) – March 11, 2003.
- IEEE 945-1984 (R200x), *Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology* (reaffirmation of ANSI/IEEE 945-1984 (R1997)) – March 11, 2003.
- IEEE 1008-2002, *Standard for Software Unit Testing* (revision of ANSI/IEEE 1008-1987) – March 11, 2003.
- IEEE 1228-1994 (R200x), *Standard for Software Safety Plans* (reaffirmation of ANSI/IEEE 1228-1994) – March 11, 2003.
- IEEE C95.3-2002, *Recommended Practice for Measurements and Computations with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 100 kHz to 300 GHz* (revision of ANSI/IEEE C95.3-1991 (R1997)) – March 11, 2003.
- NFPA 12A-200x, *Standard on Halon 1301 Fire Extinguishing Systems* (revision of ANSI/NFPA 12A-1997) – March 26, 2003.
- NFPA 85-200x, *Boiler and Combustion Systems Hazards Code* (revision of ANSI/NFPA 85-2001) – March 26, 2003.

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- NFPA 497-200x, *Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas* (revision of ANSI/NFPA 497-1997) – March 26, 2003.
- NFPA 551-200x, *Guide for the Evaluation of Fire Risk Assessments* (new standard) – March 26, 2003.
- NFPA 921-200x, *Guide for Fire and Explosion Investigations* (revision of ANSI/NFPA 921-2001) – March 26, 2003.
- SMACNA 005-200x, *Round Industrial Duct Construction Standards* (new standard) – March 4, 2003.
- UL 199-200x, *Standard for Safety for Automatic Sprinklers for Fire-Protection Service* (Bulletin dated 1/3/03) (new standard) – February 10, 2003.
- UL 486A-486B-200x, *Standard for Safety for Wire Connectors* (Bulletin dated 1-3-03) (revision and redesignation of ANSI/UL 486A-1998) – March 10, 2003.
- UL 723-200x, *Standard for Safety for Test for Surface Burning Characteristics of Building Materials* (revision of ANSI/UL 723-1995) – February 10, 2003.
- UL 1581-200x, *Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords* (Bulletin dated 12/18/02) (revision of ANSI/UL 1581-1998) – February 10, 2003.

The following American National Standards have been approved for publication. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown):

- ANSI C37.17-1997 (R2003), *Trip Devices for AC and General Purposes DC Low Voltage Power Circuit Breakers* (reaffirmation of ANSI C37.17-1997) – January 10, 2003.
- ANSI/ANS 19.11-1997 (R2002), *Calculations and Measurements of the Moderator Temperature Coefficient of Reactivity for Water Moderated Power Reactors* (reaffirmation of ANSI/ANS 19.11-1997) – December 17, 2002.
- ANSI/ASME B31.1a-2002, *Power Piping* (supplement to ANSI/ASME B31.1-1998) – December 16, 2002.
- ANSI/ASME PTC 3.1-1974, *Performance Test Code – Diesel and Burner Fuels* (withdrawal of ANSI/ASME PTC 3.1-1974 (R1992)) – January 2, 2003.
- ANSI/ASME PTC 4.4-1981 (R2002), *Gas Turbine Heat Recovery Steam Generators* (reaffirmation of ANSI/ASME PTC 4.4-1981 (R1992)) – January 6, 2003.

- ANSI/ASTM C781-2002, *Practice for Testing Graphite and Boronated Graphite Components for High-temperature Gas-cooled Nuclear Reactors* (new standard) – December 10, 2002.
- ANSI/ASTM E456-2002, *Terminology Relating to Quality and Statistics* (new standard) – December 30, 2002.
- ANSI/ASTM E833-2002a, *Terminology of Building Economics* (revision of ANSI/ASTM E833-2002) – December 16, 2002.
- ANSI/ASTM E917-2002, *Practice for Measuring Life-cycle Costs of Buildings and Building Systems* (revision of ANSI/ASTM E917-1999) – December 16, 2002.
- ANSI/ASTM E1946-2002, *Practice for Measuring Cost Risk of Buildings and Building Systems* (revision of ANSI/ASTM E1946-1998) – December 16, 2002.
- ANSI/SCTE 69-2003, *Test Method for Moisture Inhibitor Corrosion Resistance* (new standard) – January 8, 2003.

The following international standards are currently in coordination (comment due dates follow each entry):

- IEC 61921, Ed.1, *Power capacitors – Low voltage power factor correction banks* – March 21, 2003.
- ISO/ASTM DIS 51400, *Practice for characterization and performance of a high-dose radiation dosimetry calibration laboratory* – March 27, 2003.
- ISO/DIS 16432, *Resistance welding – Procedure for projection welding of uncoated and coated low carbon steels using embossed projection(s)* – March 20, 2003.

The following newly published international standard is available:

- IEC 60794-2 Ed. 3.0 b:2002, *Optical fibre cables – Part 2: Indoor cables – Sectional specifications*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: 3 Park Avenue, 20th Floor
New York, NY 10016
Fax: 212-591-8501

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Contact: Silvana Rodriguez-Bhatti,
rodriguezs@asme.org

- ASME PCC-2-200x, *Repair of Pressure Equipment and Piping* (new standard).
- ASME PTC 1-200x, *Performance Test Codes – General Instructions* (revision of ANSI/ASME PTC 1-1999).
- ASME PTC 4-200x, *Fired Steam Generators* (revision of ANSI/ASME PTC 4-1998).
- ASME PTC 46-200x, *Overall Plant Performance* (new standard).

American Society of Non-Destructive Testing (ASNT)

Office: 1711 Arlingate Lane
P.O. Box 28518
Columbus, OH 43228-0518

Fax: 614-274-6899

Contact: Brian O'Connell, **boconnell@asnt.org**

- ASNT CP 9712-200x, *Qualification and Certification of Nondestructive Testing Personnel* (identical national adoption).

ASTM International (ASTM)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: David Bradley, **Dbradley@astm.org**

- ASTM Z9937Z-200x, *Standard Practice for Performance Characterization of Dosimetry Systems* (new standard).

Institute of Electrical and Electronics Engineers (IEEE)

Office: 100 Bureau Drive
Gaithersburg, MD 20899-8460

Fax: 301-216-2075

Contact: Louis Costrell, **Louis.Costrell@nist.gov**

- IEEE 493-200x, *Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems* (new standard).
- IEEE C57.106-200x, *Guide for Acceptance and Maintenance of Insulating Oil in Equipment* (revision of ANSI/IEEE C57.106-2002).
- IEEE C62.64-200x, *Standard Specification for Surge Protectors Used in Data Communications and Signaling Circuits* (revision of ANSI/IEEE C62.64-1996).
- N42.33-200x, *Radiation Detection Instrumentation for Homeland Security* (new standard).

- N42.35-200x, *Evaluation and Application of Radiation Detection Portal Monitors for Use in Homeland Security* (new standard).

ASTM International

Standards activities of ASTM International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site, <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is February 10, 2003):

- C 787-96, *Specification for Uranium Hexafluoride for Enrichment* – revised standard.
- C 1207-97, *Test Method for Nondestructive Assay of Plutonium in Scrap and Waste by Passive Neutron Coincidence Counting* – revised standard.
- C 1269-97, *Practice for Adjusting the Operational Sensitivity Setting of In-plant Walk-through Metal Detectors* – reapproval of standard.
- C 1432-99, *Test Method for Determination of Impurities in Plutonium: Acid Dissolution, Ion Exchange Matrix Separation, and Inductively Coupled Plasma-atomic Emission Spectroscopic ICP/AES Analysis* – revised standard.
- New Standard, *Guide for Determination of Plutonium and Neptunium in Uranium Hexafluoride by Alpha Spectrometry* – (ref. Z7234Z).
- New Standard, *Guide for Evaluation of Materials Used in Extended Service of Interim Spent Nuclear Fuel Dry Storage Systems* – (ref. Z8197Z).
- New Standard, *Guide for Drying Behavior of Spent Nuclear Fuel* – (ref. Z8523Z).
- New Standard, *Practice for Use of a Photo-fluorescent Film Dosimetry System* – (ref. Z8969Z).

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- New Standard, *Guide for Materials Handling Equipment for Hot Cells* – (ref. Z9184Z).

The following newly published standards are available from ASTM:

- C 512-02, *Test Method for Creep of Concrete in Compression* – revised standard.
- C 822-02a, *Terminology Relating to Concrete Pipe and Related Products* – revised standard.
- C 1399-02, *Test Method for Obtaining Average Residual Strength of Fiber-Reinforced Concrete* – revised standard.
- D 4684-02, *Test Method for Determination of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature* – revised standard.
- D 4730-02, *Specification for Flooding Compounds for Telecommunications Wire and Cable* – revised standard.
- D 5425-02, *Guide for Development of Fire Hazard Assessment Standards of Electrotechnical Products* – revised standard.
- D 6113-02, *Test Method for Using a Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables* – revised standard.
- D 6813-02, *Guide for Performance Evaluation of Hydraulic Fluids for Piston Pumps* – new standard.
- E 900-02, *Guide for Predicting Radiation-Induced Transition Temperature Shift in Reactor Vessel Materials*, E706 (IIF) – revised standard.
- E 2205-02, *Guide for Risk-Based Corrective Action for Protection of Ecological Resources* – new standard.

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, phone 865-574-0398, fax 865-574-8481, queenerds@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, queenerds@ornl.gov.